Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Sutter Maintenance Yard East Levee Sutter Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	10/03/2018 10/03/2018	Bob Duffey

LM Start		Rating **	Α	Issue No. 4			
LM End		Issue Type +	Ма	Location * N/A			
Catagoria Earthen Levee			GPS La	atitud	e/Longitude		
Category				Start		End	
Item	Operations & Maintenance				0		0
пеш	Manuals				0		0
DWR ID DWR_ST0002_01_s _ 2013_4							
Comment Code							
		Inspecto	or Comm	nent			
The LMA has the O&M manuals.							

No Photos

Rating ** Issue No. Α LM Start 5 Issue Type + Ма Location * N/A LM End Earthen Levee GPS Latitude/Longitude Category Start End Emergency Supplies & Item Equipment DWR_ST0002_01_s _ 2013_5 DWR ID Comment Code Inspector Comment The LMA has flood fight supplies and equipment.

No Photos

Rating ** Issue No. LM Start 6 Location * Issue Type + Ma N/A LM End GPS Latitude/Longitude Earthen Levee Category End Flood Preparedness & Training Item DWR ID DWR_ST0002_01_s _ 2013_6 Comment Code Inspector Comment The LMA has completed flood flight training.

No Photos

* Location

LS: Land Side N/A: Not Applicable WS: Water Side

A: Acceptable
M: Minimally Acceptable
U: Unacceptable

N : Not Inspected/Rated C : Corrected + Issue Type
Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence
En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Sutter Maintenance Yard East Levee Sutter Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	10/03/2018 10/03/2018	Bob Duffey

LM Start	0.34	Rating **	Α	Issue No.		35	
LM End	3.57	Issue Type +	Ma	Location *	WS		
Earthen Levee				GPS Latitude/Longitude			
Category				Start		End	
Item	Vegetatio		39.1472	.58°	39.120235°		
пеш				-121.828557°		-121.779503°	
DWR ID DWR_ST0002_01_f _ 2018_35							
Comment Code							
V1 : Control annual grass and weeds on the levee slopes and easements.							
		Inspecto	or Comm	nent			
The vegetation was removed from the waterside slope.							

Α

Ма

Issue No.

Location *

35 (cont)

WS

0.34

3.57

LM Start

LM End

Rating **

Issue Type +

The same of

Photo 1 of 2: FA_2018_ST0002_450_35_20181120_00077.jpg

View of no vegetation along the waterside slope.

Photo 2 of 2: FA_2018_ST0002_450_35_20181008_00073.jpg



View of the vegetation along the waterside slope.

LM Start	0.36	Rating **	М	Issue No.		42		
LM End	0.36	Issue Type +	Ма	Location *		WS		
Category	Catagoria Earthen Levee				GPS Latitude/Longitude			
Calegory				Start		End		
Item	Erosion / I	Erosion / Bank Caving			83°	39.147183°		
пеш				-121.8281	42 °	-121.828142°		
DWR ID DWR_ST0002_01_s _ 2017_42								
	Comment Code							
E1 : Note a	and monito	or erosion site	•					
	Inspector Comment							
Repair the erosion along the water side toe.								



View of the erosion along the waterside toe.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Sutter Maintenance Yard East Levee Sutter Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	10/03/2018 10/03/2018	Bob Duffey

LM Start	0.38	Rating **	Α	Issue No.		36	
LM End	2.62	Issue Type +	Ma	Location *		LS	
Category	Catagoria Earthen Levee			GPS La	atitud	le/Longitude	
Category				Start		End	
Item	Vegetatio	Vegetation			35°	39.128203°	
item				-121.827743 °		-121.793845 °	
DWR ID DWR_ST0002_01_f _ 2018_36							
Comment Code							
V2 : Remove the wild growth other than native grasses from the levee slopes.							
Inspector Comment							
The vegetation was removed from the landside slope.							

LM Start	0.38	Rating **	Α	Issue No.	36 (cont)
LM End	2.62	Issue Type +	Ma	Location *	LS



View of no vegetation along the landside slope.

Photo 2 of 2: FA_2018_ST0002_450_36_20181008_00074.jpg



View of the vegetation along the landside slope.

LM Start	1.11	Rating **	М	Issue No.		46		
LM End	1.11	Issue Type +	Ма	Location *	WS			
Category Earthen Levee			GPS Latitude/Longitude					
Category				Start		End		
Item	Encroachi	39.1408	817°	39.140817°				
item				-121.816848 °		-121.816848°		
DWR ID DWR_ST0002_01_s _ 2018_46								
Comment Code								
GA : Garbage								
Inspector Comment								
Remove the garbage from the waterside slope.								



View of the garbage along the waterside slope.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Sutter Maintenance Yard East Levee Sutter Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	10/03/2018 10/03/2018	Bob Duffey

LM Start	1.53	Rating **	U	Issue No.		57			
LM End	1.53	Issue Type +	Ma	Location *	WS				
Category	Earthen L	evee		GPS La	atitud	e/Longitude			
Calegory				Start		End			
Item	Erosion / I		39.1373	373°	39.137373°				
item	item				82°	-121.810382°			
DWR ID	DWR ID DWR_ST0002_01_f _ 2017_57								
		Comn	nent Cod	de					
E2 : Sched	lule repair	of erosion site	e prior to	the next in	spe	ction.			
Inspector Comment									
Repair the beaver hole along the waterside berm.									



View of the beaver hole along the waterside berm.

LM Start	1.57	Rating **	U	Issue No.		58				
LM End	1.57	Issue Type +	Ma	Location *		WS				
Category Earthen Levee				GPS La	atitud	e/Longitude				
				Start		End				
Item	Erosion /	Bank Caving		39.1370	10°	39.137010°				
пеш				-121.8096	73 °	-121.809673°				
DWR ID DWR_ST0002_01_f _ 2017_58										
		Commant Code								

Comment Code

E2: Schedule repair of erosion site prior to the next inspection.

Inspector Comment

Repair the beaver hole along the waterside berm.

Photo 1 of 1: FA_2018_ST0002_450_58_20180905_00015.jpg



View of the beaver hole along the waterside berm.

LM Start	1.61	Rating **	U	Issue No.		61	
LM End	1.61	Issue Type +	Ма	Location *	WS		
Category	Earthen L	evee		GPS La	titud	e/Longitude	
Calegory				Start		End	
Item	Erosion /	Bank Caving		39.1367	13°	39.136713	0
Rem				-121.8092	02 °	-121.809202	0
DWR ID	DWR_ST0	002_01_f _ 2017	7_61				

Comment Code

E2: Schedule repair of erosion site prior to the next inspection.

Inspector Comment

Repair the beaver hole along the waterside berm.

Photo 1 of 1: FA_2018_ST0002_450_61_20180905_00016.jpg



View of the beaver hole along the waterside berm.

•	Loc	a	tio	n	
	LS	:	La	nd	Sic

N/A: Not Applicable

: Acceptable : Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected

+ Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence

A/W : Acceptable but Monitor & Maintain En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Sutter Maintenance Yard East Levee Sutter Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	10/03/2018 10/03/2018	Bob Duffey

LM Start	3.55	Rating **	A/W	Issue No.		64
LM End	3.55	Issue Type +	Ма	Location *		
Category	Supplemental			GPS Latitude/Longitude		
Category	y			Start		End
Item	DWR UCI	P LMA Respo	nsibility	39.1203	72 °	39.120372°
пеш				-121.7798	00°	-121.779800 °
DWR ID	16880					

Inspector Comment

Comment Code

FS_ID:51566 DS_ID:16880 EP_NO: N/A

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: 4/11/2017 Not abandoned. good condition. (DWR Sutter Yard- AFreitag)10/10/2016 NOT ABANDONED. The old pumpimg plant was removed but the culverts are still used as a gravity drain to regulate the water level in the LS ditch.(DWR Sutter Yard - afreitag)4/18/2016 Crossing is in good condition. The culvert is not abandoned and is used as gravity drain for the LS ditch into the bypass channel.5/7/2015 Concrete culverts are still being used as gravity drains for the LS ditch.11/12/2014 Same as last

inspection.5/13/2014 Same as last inspection.10/30/2103 Same as last inspection.5/22/2013 Concrete culvert is being used as gravity drain for LS ditch.10/8/2012 Flap gates left in open position. Unable to determine type of abandonment for concrete culverts. Contact inspector to determine type of abandonment.

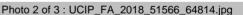
FIELD_STRUCT_DESC: *ABANDONED* [Pumping Plant No. 3] 1 of 2: 48-inch by 72-inch reinforced concrete drainage culvert through the levee, 30 feet below the crown. Slide gate in concrete well on the landside (LS) shoulder. Wood flap gate and concrete headwall on the waterside (WS) end. Abandoned State pumping plant on the LS. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 315, May 1953 (Station 966+30)].

FS Date: 4/13/2017 1:10:49 PM

LM Start	3.55	Rating **	A/W	Issue No.	64 (cont)
LM End	3.55	Issue Type +	Ma	Location *	



Slide gates on LS shoulder.





Flap gates on WS toe.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Sutter Maintenance Yard East Levee Sutter Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	10/03/2018 10/03/2018	Bob Duffey

LM Start	3.55	Rating **	A/W	Issue No.	64 (cont)			
LM End	3.55	Issue Type +	Ма	Location *				
Category	Supplemental				titud	le/Longitude		
Calegory				Start		End		
Item	DWR UCI	P LMA Respo	nsibility	39.1203	72 °	39.120372°		
пеш				-121.77980	00°	-121.779800°		
DWR ID	ID 16880							
	Comment Code							

Inspector Comment

FS ID:51566 DS_ID:16880 EP NO: N/A

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: 4/11/2017 Not abandoned, good condition. (DWR Sutter Yard- AFreitag)10/10/2016 NOT ABANDONED. The old pumping plant was removed but the culverts are still used as a gravity drain to regulate the water level in the LS ditch.(DWR Sutter Yard afreitag)4/18/2016 Crossing is in good condition. The culvert is not abandoned and is used as gravity drain for the LS ditch into the bypass channel.5/7/2015 Concrete culverts are still being used as gravity drains for the LS ditch.11/12/2014 Same as last inspection.5/13/2014 Same as last inspection.10/30/2103 Same as last inspection.5/22/2013 Concrete culvert is being used as gravity drain for LS ditch.10/8/2012 Flap gates left in open position. Unable to determine type of abandonment for concrete culverts. Contact inspector to determine type of abandonment. FIELD_STRUCT_DESC: *ABANDONED* [Pumping Plant No. 3] 1 of 2:

48-inch by 72-inch reinforced concrete drainage culvert through the levee, 30 feet below the crown. Slide gate in concrete well on the landside (LS) shoulder. Wood flap gate and concrete headwall on the waterside (WS) end. Abandoned State pumping plant on the LS. [Additional Reference(s): DWR Levee Log. 2005, USACE Sacramento O&M Manual 315, May 1953 (Station 966+30)].

FS Date: 4/13/2017 1:10:49 PM

Photo 3 of 3: UCIP_FA_2018_51566_64813.jpg

Abandoned pumphouse and sump on LS toe.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Sutter Maintenance Yard East Levee Sutter Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	10/03/2018 10/03/2018	Bob Duffey

LM Start	3.55	Rating **	Issue No.		65		
LM End	3.55	Issue Type +	Issue Type + Ma				
Category	Supplemental				GPS Latitude/Longitude		
Calegory		Start		End			
Item	DWR UCI	P LMA Respo	onsibility	39.1203	58°	39.120358°	
item			-121.7797	75 °	-121.779775°		
DWR ID	16895						

Comment Code Inspector Comment

FS_ID:51567 DS_ID:16895

EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: 4/11/2017 Not abandoned. Good condition. (DWR Sutter Yard- AFreitag)10/10/2016 NOT ABANDONED. The old pumpimg plant was removed but the culverts are still used as a gravity drain to regulate the water level in the LS ditch.(DWR Sutter Yard - afreitag)4/18/2016 Crossing is in good condition. The culvert is not abandoned and is used as gravity drain for the LS ditch into the bypass channel.5/7/2015 Concrete culverst still being used as gravity drains for LS ditch.11/12/2014 Same as last inspection.5/13/2014 Same as last inspection.10/30/2103 Same as last inspection.5/22/2013 Concrete culvert is being used as gravity drain for LS ditch.10/8/2012 Flap gates in open position. Need to determine type of abandonment. Contact inspector to determine abandonment.

FIELD_STRUCT_DESC: *ABANDONED* [Pumping Plant No. 3] 2 of 2: 48-inch by 72-inch reinforced concrete drainage culvert through the levee, 30 feet below the crown. Slide gate in concrete well on the landside (LS) shoulder. Wood flap gate and concrete headwall on the waterside (WS) end. Abandoned State pumping plant on the LS. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 315, May 1953 (Station 966+30)].

FS Date: 4/13/2017 1:16:13 PM

LM Start	3.55	Rating **	A/W	Issue No.	65 (cont)
LM End	3.55	Issue Type +	Ma	Location *	



Slide gate valves on LS shoulder.

Photo 2 of 3: UCIP_FA_2018_51567_64818.jpg



Flap gates on WS toe.

* Location
LS: Land Side N/A: Not Applicable WS: Water Side CR: Crown

** Rating
A: Acceptable N: Not Inspected/Rated M: Ma: Maintenance Deficiancy
C: Corrected Ob: Design & System Obsolescence
U: Unacceptable A/W: Acceptable but Monitor & Maintain

** Rating
A: Acceptable M: N: Not Inspected/Rated M: Ma: Maintenance Deficiancy
Ob: Design & System Obsolescence
En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Sutter Maintenance Yard East Levee Sutter Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	10/03/2018 10/03/2018	Bob Duffey

LM Start	3.55	Rating **	A/W	Issue No.		65 (cont)	Ī	
LM End	3.55	Issue Type +	Ма	Location *				
Category	Supplemental					GPS Latitude/Longitude		
Category	Category					End		
Item	DWR UCI	39.12035	B°	39.120358	0			
пеш		-121.77977	5°	-121.779775	0			
DWR ID	16895							

Inspector Comment

Comment Code

FS_ID:51567 DS_ID:16895 EP_NO: N/A

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: 4/11/2017 Not abandoned. Good condition. (DWR Sutter Yard- AFreitag)10/10/2016 NOT ABANDONED. The old pumpimg plant was removed but the culverts are still used as a gravity drain to regulate the water level in the LS ditch.(DWR Sutter Yard - afreitag)4/18/2016 Crossing is in good condition. The culvert is not abandoned and is used as gravity drain for the LS ditch into the bypass channel.5/7/2015 Concrete culverst still being used as gravity drains for LS ditch.11/12/2014 Same as last inspection.5/13/2014 Same as last inspection.10/30/2103 Same as last inspection.5/22/2013 Concrete culvert is being used as gravity drain for LS ditch.10/8/2012 Flap gates in open position. Need to determine type of abandonment. Contact inspector to determine abandonment.

FIELD_STRUCT_DESC: *ABANDONED* [Pumping Plant No. 3] 2 of 2: 48-inch by 72-inch reinforced concrete drainage culvert through the levee, 30 feet below the crown. Slide gate in concrete well on the landside (LS) shoulder. Wood flap gate and concrete headwall on the waterside (WS) end. Abandoned State pumping plant on the LS. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 315, May 1953 (Station 966+30)].

FS Date: 4/13/2017 1:16:13 PM



Abandoned pumphouse and sump on LS toe.

LM Start	5.19	Rating **	М	Issue No.		45	
LM End	5.19	Issue Type +	Ма	Location *		WS	
Category Earthen Levee				GPS Latitude/Longitude			
Category				Start		End	
Item	Slope Sta	bility		39.1033	68°	39.103368°	
пеш			-121.75870	60°	-121.758760°		
DWR ID	/R ID DWR_ST0002_01_s _ 2018_45						

S3: Repair the levee slope damaged by vehicle traffic and prevent access where possible.

Inspector Comment

Comment Code

Repair the slope damaged by vehicle traffic.

Photo 1 of 1: FA_2018_ST0002_450_45_20180905_00012.jpg



View of the vehicle traffic along the waterside slope.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiancy
WS: Water Side	M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Sutter Maintenance Yard East Levee Sutter Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	10/03/2018 10/03/2018	Bob Duffey

LM Start	7.83	Rating **	A/W	Issue No.		34		
LM End	7.83	Issue Type +	Ма	Location *		WS		
Category	Earthen L	evee		GPS La	atitud	e/Longitude		
Calegory				Start		End		
Item	Erosion / I	Bank Caving		39.0672	99°	39.067299°		
iteiii				-121.7428	51 °	-121.742851°		
DWR ID DWR_ST0002_01_f _ 2016_34								
		Comn	nent Cod	de				
E1 : Note a	and monito	or erosion site						
			_					
		Inspecto	or Comm	nent				

Photo 1 of 1: FA_2018_ST0002_450_34_20180905_00007.jpg

View of the erosion along the waterside toe.

LM Start	10.83	Rating **	М	Issue No.		71
LM End	10.83	Issue Type +	Ма	Location *		
Category	Suppleme	GPS La	tituc	le/Longitude		
Category				Start		End
Item	DWR UCI	onsibility	39.02569	93°	39.025693°	
iteiii		-121.72689	95 °	-121.726895°		
DWR ID	16871					

Comment Code

Inspector Comment

FS_ID:51595 DS_ID:16871 EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: 4/11/2017 Aabandoned.10/10/2016 Abandoned crossing.4/18/2016 Abandoned crossing but no noticeable issues seen with it.5/7/2015 Abandoned crossing but no noticebale issues with it.11/12/2014 Same as last inspection.5/13/2014 Same as last inspection.10/30/2013 Same as last inspection.5/22/2013 Same as last inspection.10/8/2012 Need to determine type of abandonment. FIELD_STRUCT_DESC: *ABANDONED* [Pumping Plant No. 2] 1 of 5: 48-inch by 72-inch reinforced concrete drainage culvert through the levee, 31.5 feet below the crown. Wood flap gate and concrete headwall on the waterside (WS) end. Wooden steps on the landside (LS) slope. Concrete steps on the WS end. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 315, May 1953 (Station 582+19)]. FS Date: 4/13/2017 2:16:54 PM

Photo 1 of 3: UCIP_FA_2018_51595_65251.jpg



Slide gates on WS shoulder

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Sutter Maintenance Yard East Levee Sutter Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	10/03/2018 10/03/2018	Bob Duffey

LM Start	10.83	Rating **	М	Issue No.		71 (cont)	
LM End	10.83	Issue Type +	Ма	Location *			
Category	Supplemental				GPS Latitude/Longitude		
Calegory	Category					End	
Item	DWR UCIP LMA Responsibility			39.02569	93 °	39.025693°	
пеш		-121.72689	95 °	-121.726895 °			
DWR ID	16871						

Inspector Comment

Comment Code

FS_ID:51595 DS_ID:16871 EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: 4/11/2017 Aabandoned.10/10/2016 Abandoned crossing.4/18/2016 Abandoned crossing but no noticeable issues seen with it.5/7/2015 Abandoned crossing but no noticeable issues with it.11/12/2014 Same as last inspection.5/13/2014 Same as last inspection.10/30/2013 Same as last inspection.5/22/2013 Same as last inspection.10/8/2012 Need to determine type of abandonment. FIELD_STRUCT_DESC: *ABANDONED* [Pumping Plant No. 2] 1 of 5: 48-inch by 72-inch reinforced concrete drainage culvert through the levee, 31.5 feet below the crown. Wood flap gate and concrete headwall on the waterside (WS) end. Wooden steps on the landside (LS) slope. Concrete steps on the WS end. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 315, May 1953 (Station 582+19)].
FS Date: 4/13/2017 2:16:54 PM

LM Start	10.83	Rating **	М	Issue No.	71 (cont)
LM End	10.83	Issue Type +	Ma	Location *	



Flap gates on WS toe.

Photo 3 of 3: UCIP_FA_2018_51595_65249.jpg



Pumphouse/intake structure on LS toe.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Sutter Maintenance Yard East Levee Sutter Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	10/03/2018 10/03/2018	Bob Duffey

LM Start	10.83	Rating **	М	Issue No.		72
LM End	10.83	Issue Type +	Ма	Location *		
Category	Suppleme	ental	GPS Lat	itud	e/Longitude	
Calegory				Start		End
Item	DWR UCI	P LMA Respo	nsibility	39.02568	3°	39.025683°
пеш				-121.72688	6°	-121.726886°
DWR ID	16906					·

Comment Code

Inspector Comment

FS_ID:51596 DS_ID:16906 EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: 4/11/2017 Abandoned.10/10/2016 Crossing appears to be in good condition. (DWR Sutter Yard -

afreitag)4/18/2016 Abandoned crossing but no noticeable issues seen with it.5/7/2015 Abandoned crossing but no noticeable issues to report.11/12/2014 Same as last inspection.5/13/2014 Same as last inspection.10/30/2013 Same as last inspection.5/22/2013 Same as last inspection.10/8/2012 Determine type of abandonment.

FIELD_STRUCT_DESC: *ABANDONED* [Pumping Plant No. 2] 2 of 5: 48-inch by 72-inch reinforced concrete drainage culvert through the levee, 31.5 feet below the crown. Wood flap gate and concrete headwall on the waterside (WS) end. Wooden steps on the landside (LS) slope. Concrete steps on the WS end. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 315, May 1953 (Station 582+19)].

FS Date: 4/13/2017 2:17:39 PM

LM Start	10.83	Rating **	М	Issue No.	72 (cont)
LM End	10.83	Issue Type +	Ma	Location *	



Slide gates on WS shoulder.

Photo 2 of 3: UCIP_FA_2018_51596_65253.jpg



Flap gates on WS toe.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Sutter Maintenance Yard East Levee Sutter Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	10/03/2018 10/03/2018	Bob Duffey

LM Start	10.83	Rating **	М	Issue No.		72 (cont)
LM End	10.83	Issue Type +	Ма	Location *		
Category	Suppleme	ental	GPS Lat	ituc	le/Longitude	
Calegory				Start		End
Item	DWR UCI	P LMA Respo	nsibility	39.02568	3°	39.025683°
пеш				-121.72688	6°	-121.726886 °
DWR ID	16906					

Inspector Comment

Comment Code

FS_ID:51596 DS_ID:16906 EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: 4/11/2017 Abandoned.10/10/2016 Crossing appears to be in good condition. (DWR Sutter Yard -

afreitag)4/18/2016 Abandoned crossing but no noticeable issues seen with it.5/7/2015 Abandoned crossing but no noticeable issues to report.11/12/2014 Same as last inspection.5/13/2014 Same as last inspection.10/30/2013 Same as last inspection.5/22/2013 Same as last inspection.10/8/2012 Determine type of abandonment.

FIELD_STRUCT_DESC: *ABANDONED* [Pumping Plant No. 2] 2 of 5: 48-inch by 72-inch reinforced concrete drainage culvert through the levee, 31.5 feet below the crown. Wood flap gate and concrete headwall on the waterside (WS) end. Wooden steps on the landside (LS) slope. Concrete steps on the WS end. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 315, May 1953 (Station 582+19)].

FS Date: 4/13/2017 2:17:39 PM



Pumping plant on LS toe.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Sutter Maintenance Yard East Levee Sutter Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	10/03/2018 10/03/2018	Bob Duffey

LM Start	10.83	Rating **	A/W	Issue No.		73
LM End	10.83	Issue Type +	Ма	Location *		
Category	Suppleme	Supplemental			itud	e/Longitude
Calegory				Start		End
Item	DWR UCI	IP LMA Respo	onsibility	39.02567	3°	39.025673°
пеш				-121.72687	3°	-121.726873°
DWR ID	16907					·

Inspector Comment

Comment Code

FS_ID:51597 DS_ID:16907 EP_NO: N/A

Repair Type: No Action Needed Crossing Status: Found

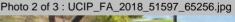
UCIP Comments: 4/11/2017 Not abandoned. Good condition. (DWR Sutter Yard- AFreitag)10/10/2016 NOT ABANDONED. The old pumpimg plant was removed but the culverts are still used as a gravity drain to regulate the water level in the LS ditch.(DWR Sutter Yard - afreitag)4/18/2016 Crossing is in good condition. The culvert is not abandoned and is used as gravity drain for the LS ditch into the bypass channel.5/7/2015 Concrete culvert is being used as a gravity drain for LS ditch.11/12/2014 Same as last inspection.5/13/2014 Same as last inspection.10/30/2013 Same as last inspection.5/22/2013 Concrete culvert is being used as gravity drain for LS ditch.10/8/2012 Need to determine type of abandonment.

FIELD_STRUCT_DESC: *ABANDONED* [Pumping Plant No. 2] 3 of 5: 48-inch by 72-inch reinforced concrete drainage culvert through the levee, 31.5 feet below the crown. Slide gate in concrete well on the waterside (WS) shoulder. Wood flap gate and concrete headwall on the WS end. Wooden steps on the landside (LS) slope. Concrete steps on the WS end. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 315, May 1953 (Station 582+19)]. FS Date: 4/13/2017 2:18:31 PM

LM Start	10.83	Rating **	A/W	Issue No.	73 (cont)
LM End	10.83	Issue Type +	Ma	Location *	



Slide gates on WS shoulder.





Flap gates on WS toe.

* Location

LS: Land Side N/A: Not Applicable WS: Water Side CR: Crown

** Rating

A: Acceptable N: Not Inspected/Rated C: Corrected M: Minimally Acceptable U: Unacceptable AW: Acceptable but Monitor & Maintain

** Rating

A: Acceptable N: Not Inspected/Rated Ma: Maintenance Deficiancy Ob: Design & System Obsolescence En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Sutter Maintenance Yard East Levee Sutter Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	10/03/2018 10/03/2018	Bob Duffey

LM Start	10.83	Rating **	A/W	Issue No.		73 (cont)	
LM End	10.83	Issue Type +	Ma	Location *			
Category	Suppleme	Supplemental				le/Longitude	
Calegory				Start		End	
Item	DWR UCI	IP LMA Respo	onsibility	39.02567	3°	39.025673	0
пеш				-121.72687	3°	-121.726873	0
DWR ID	16907						

Inspector Comment

Comment Code

FS_ID:51597 DS_ID:16907 EP_NO: N/A

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: 4/11/2017 Not abandoned. Good condition. (DWR Sutter Yard- AFreitag)10/10/2016 NOT ABANDONED. The old pumpimg plant was removed but the culverts are still used as a gravity drain to regulate the water level in the LS ditch.(DWR Sutter Yard - afreitag)4/18/2016 Crossing is in good condition. The culvert is not abandoned and is used as gravity drain for the LS ditch into the bypass channel.5/7/2015 Concrete culvert is being used as a gravity drain for LS ditch.11/12/2014 Same as last inspection.5/13/2014 Same as last inspection.5/22/2013 Concrete culvert is being used as gravity drain for LS ditch.10/8/2012 Need to determine type of abandonment.

FIELD_STRUCT_DESC: *ABANDONED* [Pumping Plant No. 2] 3 of 5: 48-inch by 72-inch reinforced concrete drainage culvert through the levee, 31.5 feet below the crown. Slide gate in concrete well on the waterside (WS) shoulder. Wood flap gate and concrete headwall on the WS end. Wooden steps on the landside (LS) slope. Concrete steps on the WS end. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 315, May 1953 (Station 582+19)].

FS Date: 4/13/2017 2:18:31 PM



Pumphouse and intake on LS toe.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Sutter Maintenance Yard East Levee Sutter Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	10/03/2018 10/03/2018	Bob Duffey

LM Start	10.83	Rating **	A/W	Issue No.		74
LM End	10.83	Issue Type +	Ma	Location *		
Category	Supplemental				tituc	le/Longitude
Calegory				Start		End
Item	DWR UCI	P LMA Respo	onsibility	39.02565	6°	39.025656°
item					'8	-121.726878°
DWR ID	16908					

Inspector Comment

Comment Code

FS_ID:51598 DS_ID:16908 EP_NO: N/A

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: 4/11/2017 Not abandoned. Good condition. (DWR Sutter Yard- AFreitag)10/10/2016 NOT ABANDONED. The old pumpimg plant was removed but the culverts are still used as a gravity drain to regulate the water level in the LS ditch.(DWR Sutter Yard - afreitag)4/18/2016 Crossing is in good condition. The culvert is not abandoned and is used as gravity drain for the LS ditch into the bypass channel.5/7/2015 Concrete culvert is being used as a gravity drain for LS ditch.11/12/2014 Same as last inspection.10/30/2013 Same as last inspection.10/8/2012 Need to determine type of abandonment.5/22/2013 Concrete culvert is being used as gravity drain for LS ditch.

FIELD_STRUCT_DESC: *ABANDONED* [Pumping Plant No. 2] 4 of 5: 48-inch by 72-inch reinforced concrete drainage culvert through the levee, 31.5 feet below the crown. Slide gate in concrete well on the waterside (WS) shoulder. Wood flap gate and concrete headwall on the WS end. Wooden steps on the landside (LS) slope. Concrete steps on the WS end. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 315, May 1953 (Station 582+19)]. FS Date: 4/13/2017 2:19:46 PM

LM Start	10.83	0.83 Rating **		Issue No.	74 (cont)
LM End	10.83	Issue Type +	Ma	Location *	



Slide gates on WS shoulder.



Flap gates on WS toe.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Sutter Maintenance Yard East Levee Sutter Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	10/03/2018 10/03/2018	Bob Duffey

LM Start	10.83	Rating **	A/W	Issue No.		74 (cont)		
LM End	10.83	Issue Type +	Ма	Location *				
Category	ental	GPS Latitude/Longitude						
Calegory	Category					End		
Item	DWR UC	P LMA Respo	nsibility	39.02565	66°	39.025656	0	
пеш				-121.72687	'8°	-121.726878	0	
DWR ID 16908								
		Comn	nent Cod	le				

Inspector Comment

FS_ID:51598 DS_ID:16908 EP_NO: N/A

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: 4/11/2017 Not abandoned. Good condition. (DWR Sutter Yard- AFreitag)10/10/2016 NOT ABANDONED. The old pumpimg plant was removed but the culverts are still used as a gravity drain to regulate the water level in the LS ditch.(DWR Sutter Yard - afreitag)4/18/2016 Crossing is in good condition. The culvert is not abandoned and is used as gravity drain for the LS ditch into the bypass channel.5/7/2015 Concrete culvert is being used as a gravity drain for LS ditch.11/12/2014 Same as last inspection.10/30/2013 Same as last inspection.10/8/2012 Need to determine type of abandonment.5/22/2013 Concrete culvert is being used as gravity drain for LS ditch.

FIELD_STRUCT_DESC: *ABANDONED* [Pumping Plant No. 2] 4 of 5: 48-inch by 72-inch reinforced concrete drainage culvert through the levee, 31.5 feet below the crown. Slide gate in concrete well on the waterside (WS) shoulder. Wood flap gate and concrete headwall on the WS end. Wooden steps on the landside (LS) slope. Concrete steps on the WS end. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 315, May 1953 (Station 582+19)]. FS Date: 4/13/2017 2:19:46 PM



Pumphouse and intake on LS toe.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Sutter Maintenance Yard East Levee Sutter Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	10/03/2018 10/03/2018	Bob Duffey

LM Start	10.83	Rating **	A/W	Issue No.		75		
LM End	10.83	Issue Type +	Ма	Location *				
Category	Supplemental				GPS Latitude/Longitude			
Calegory	Category			Start		End		
Item	DWR UCI	P LMA Respo	onsibility	39.02563	39°	39.025639°		
item				-121.72687	74°	-121.726874°		
DWR ID	16909							

Inspector Comment

Comment Code

FS_ID:51599 DS_ID:16909 EP_NO: N/A

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: 4/11/2017 Not abandoned. Good condition. (DWR Sutter Yard- AFreitag)10/10/2016 NOT ABANDONED. The old pumpimg plant was removed but the culverts are still used as a gravity drain to regulate the water level in the LS ditch.(DWR Sutter Yard - afreitag)4/18/2016 Crossing is in good condition. The culvert is not abandoned and is used as gravity drain for the LS ditch into the bypass channel.5/7/2015 Concrete culvert is being used as a gravity drain for LS ditch.11/12/2014 Same as last inspection.5/13/2014 Same as last inspection.5/22/2013 Concrete culvert is being used as gravity drain for LS ditch.10/8/2012 Need to determine type of abandonment for pipe.

FIELD_STRUCT_DESC: *ABANDONED* [Pumping Plant No. 2] 5 of 5: 48-inch by 72-inch reinforced concrete drainage culvert through the levee, 31.5 feet below the crown. Slide gate in concrete well on the waterside (WS) shoulder. Wood flap gate and concrete headwall on the WS end. Wooden steps on the landside (LS) slope. Concrete steps on the WS end. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 315, May 1953 (Station 582+19)]. FS Date: 4/13/2017 2:20:32 PM

 LM Start
 10.83
 Rating **
 A/W
 Issue No.
 75 (cont)

 LM End
 10.83
 Issue Type +
 Ma
 Location *



Slide gates on WS shoulder.



Flap gates on WS Toe.

* Location

LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown

** Rating

A : Acceptable N : Not Inspected/Rated M: Maintenance Deficiancy

M : Minimally Acceptable CR : Corrected Ob: Design & System Obsolescence

U : Unacceptable A/W : Acceptable but Monitor & Maintain

** Rating

A : Not Inspected/Rated M: Maintenance Deficiancy

Ob: Design & System Obsolescence

En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Sutter Maintenance Yard East Levee Sutter Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	10/03/2018 10/03/2018	Bob Duffey

LM Start	10.83	Rating **	A/W	Issue No.		75 (cont)
LM End	10.83	Issue Type +	Ма	Location *		
Category	Suppleme	ental		GPS La	titud	e/Longitude
Calegory	Category					End
Item	DWR UCI	P LMA Respo	onsibility	39.02563	9°	39.025639 °
item				-121.72687	'4 °	-121.726874 °
DWR ID	16909					

Inspector Comment

Comment Code

FS_ID:51599 DS_ID:16909 EP_NO: N/A

LM S

LM

Ite

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: 4/11/2017 Not abandoned. Good condition. (DWR Sutter Yard- AFreitag)10/10/2016 NOT ABANDONED. The old pumpimg plant was removed but the culverts are still used as a gravity drain to regulate the water level in the LS ditch.(DWR Sutter Yard - afreitag)4/18/2016 Crossing is in good condition. The culvert is not abandoned and is used as gravity drain for the LS ditch into the bypass channel.5/7/2015 Concrete culvert is being used as a gravity drain for LS ditch.11/12/2014 Same as last inspection.5/13/2014 Same as last inspection.5/22/2013 Concrete culvert is being used as gravity drain for LS ditch.10/8/2012 Need to determine type of abandonment for pipe.

FIELD_STRUCT_DESC: *ABANDONED* [Pumping Plant No. 2] 5 of 5: 48-inch by 72-inch reinforced concrete drainage culvert through the levee, 31.5 feet below the crown. Slide gate in concrete well on the waterside (WS) shoulder. Wood flap gate and concrete headwall on the WS end. Wooden steps on the landside (LS) slope. Concrete steps on the WS end. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 315, May 1953 (Station 582+19)]. FS Date: 4/13/2017 2:20:32 PM

Photo 3 of 3 : UCIP_FA_2018_51599_65261.jpg

Pumphouse/intake on LS toe.

Start	10.88	Rating **	M	Issue No.		1	
End	10.91	Issue Type +	Ma	Location *		WS	
egory	Suppleme	ental		GPS La	atitud	e/Longitude	
gury				Start		End	
em		CE Erosion S	Survey,	39.0248	35°	39.024399	0
2111	DRAFT			-121.7269	29°	-121.726808	٥
B ID	DWR STO	002 01 s 201	6 1				

Inspector Comment

Comment Code

2011 - Small section of the mid levee slope has eroded from wind wave. 2015: Site is part of the extended inventory, last inspected 2011. [2015 Site ID: SBP_11-1_L] No change

No Photos

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Sutter Maintenance Yard East Levee Sutter Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	10/03/2018 10/03/2018	Bob Duffey

LM Start	12.75	Rating **	М	Issue No.		44			
LM End	12.75	Issue Type +	Ma	Location *		WS			
Category	Earthen L	evee		GPS La	atitud	e/Longitude			
Calegory				Start		End			
Item	Encroachi	ments		38.9986	98°	38.998698°			
пеш				-121.718062°		-121.718062 °			
DWR ID DWR_ST0002_01_s _ 2018_44									
		Comn	nent Cod	de					
MA: Material									
Inspector Comment									
Remove the tires from the water side slope and toe.									

Photo 1 of 1: FA_2018_ST0002_450_44_20180905_00011.jpg



View of the tires along the waterside slope and toe.

LM Start	13.34	Rating **	A/W	Issue No.	23		
LM End	13.34	Issue Type +	Ma	Location *	WS		
Category Earthen Levee			GPS Latitude/Longitude				
			Start		End		
Item	Slope Stability			38.9918	57°	38.991857°	
item				-121.7115	55 °	-121.711555°	
DWR ID DWR_ST0002_01_s _ 2015_23							
		Comp	ant Coo	lo.			

Comment Code

S3: Repair the levee slope damaged by vehicle traffic and prevent access where possible.

Inspector Comment

Monitor the erosion along the waterside slope.



View of the vehicle erosion along the slope.

LM Start	13.83	Rating **	С	Issue No.		39	
LM End	13.83	Issue Type +	Ma	Location *	WS		
Category	Earthen Levee			GPS La	atitud	e/Longitude	
Calegory				Start		End	
Item	Encroach	ments		38.9873	53°	38.987353	0
пеш				-121.7046	13 °	-121.704613	0
DWR ID DWR_ST0002_01_s _ 2018_39							
		Comn	nent Cod	de			

TR: Tree or limb

Inspector Comment

The tree was removed from the waterside slope and toe.

No Photos

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Sutter Maintenance Yard East Levee Sutter Bypass

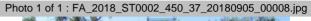
Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	10/03/2018 10/03/2018	Bob Duffey

LM Start	14.71	Rating **	М	Issue No.		37	
LM End	14.71	Issue Type +	Ma	Location *	WS		
Category Earthen Levee			GPS Latitude/Longitude				
Calegory						End	
Item	Slope Sta	Slope Stability			89°	38.979389°	
item				-121.6919	38.979389° 38.9793 -121.691923° -121.6919		
DWR ID	DWR_ST0	002_01_f _ 2010	6_37				
		Comn	nent Cod	de			
S3 : Repair the levee slope damaged by vehicle traffic and prevent							

access where possible.

Inspector Comment

Repair the vehicle erosion along the waterside slope.





View of the erosion caused by vehicle traffic.

15.30	Rating **	Α	Issue No.	38		
15.30	Issue Type +	Ма	Location *		LS	
Catagoni Earthen Levee				GPS Latitude/Longitude		
Category		Start		End		
Vegetatio	n		38.9739	97°	38.973997°	
			-121.6832	83°	-121.683283°	
DWR ID DWR_ST0002_01_f _ 2018_38						
	15.30 Earthen L Vegetation	15.30 Issue Type + Earthen Levee Vegetation	15.30 Issue Type + Ma Earthen Levee Vegetation	15.30 Issue Type + Ma Location * Earthen Levee GPS La Start Vegetation 38.9739 -121.6832	15.30 Issue Type + Ma Location * Earthen Levee GPS Latitud Start Vegetation 38.973997 ° -121.683283 °	

Comment Code

V1: Control annual grass and weeds on the levee slopes and easements.

Inspector Comment

The vegetation was removed from both slopes.

Photo 1 of 1: FA_2018_ST0002_450_38_20181106_00075.jpg



View of no vegetation on both slopes.

LM Start	17.60	Rating **	М	Issue No.		21	
LM End	17.60	Issue Type +	Ma	Location *		WS	
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Calegory				Start	on * PS Latitude, start 949965 °	End	
Item	Slope Sta	bility		38.9499	65 °	38.949965	0
пеш				-121.6538	23 °	-121.653823	0
DWR ID	DWR STO	002 01 s 201	5 21				

Comment Code

S3: Repair the levee slope damaged by vehicle traffic and prevent access where possible.

Inspector Comment

Repair the vehicle erosion along the waterside slope.

Photo 1 of 2: FA_2018_ST0002_450_21_20180905_00002.jpg



View of the vehicle erosion along the waterside slope.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Sutter Maintenance Yard East Levee Sutter Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	10/03/2018 10/03/2018	Bob Duffey

LM Start	17.60	Rating **	М	Issue No.	21 (cont)			
LM End	17.60	Issue Type +	Ma	Location *	WS			
Category	Earthen L	evee	GPS Latitude/Longitude					
Calegory				Start End				
Item	Slope Stability			38.949965 °		38.949965°		
пеш				-121.6538	23 °	-121.653823°		
DWR ID	DWR_ST0	002_01_s _ 201	5_21					
	Comment Code							
S3 · Renai	r the levee	slone damao	ed by ve	hicle traffic	anc	Inrevent		

S3: Repair the levee slope damaged by vehicle traffic and prevent access where possible.

Inspector Comment

Repair the vehicle erosion along the waterside slope.

Photo 2 of 2 : FA_2018_ST0002_450_21_20180905_00003.jpg



View of the vehicle erosion along the waterside slope.

LM Start	19.18	Rating **	A/W	Issue No.	80	
LM End	19.18	Issue Type +	Ма	Location *		
Category	Suppleme	ental		GPS Lat	ituc	le/Longitude
Calegory		' '		Start		End
Item	DWR UCI	P LMA Respo	onsibility	38.93247	6°	38.932476 °
пеш	em			-121.63517	3°	-121.635173 °
DWR ID	16877					

Comment Code

Inspector Comment

FS_ID:51609 DS_ID:16877 EP_NO: N/A

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: 4/11/2017 Not abandoned. Good condition. (DWR Sutter Yard - AFreitag)10/10/2016 NOT ABANDONED. The old pumpimg plant was abandoned but the culverts are still used as a gravity drain to regulate the water level in the LS ditch.(DWR Sutter Yard - afreitag)4/18/2016 Crossing is in good condition. The culvert is not abandoned and is used as gravity drain for the LS ditch into the bypass channel.5/7/2015 Concrete culvert is being used as a gravity drain for LS ditch.11/12/2014 Same as last inspection.5/14/2014 Same as last inspection.10/30/2013 Same as last

inspection.5/23/2013 Concrete culvert is being used as gravity drain for LS ditch.10/9/2012 Determine type of abandonment for concrete culvert.

FIELD_STRUCT_DESC: [Pumping Plant No. 1] 1 of 3: 48-inch by 72-inch reinforced concrete drainage culvert through the levee, 26 feet below the crown. Slide gates in a concrete well on the waterside (WS) shoulder. Wooden flap gates and concrete headwall on the WS end. Concrete steps and staff gage reading to 53 feet on the WS slope. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 315, May 1953 (Station 141+46)].

FS Date: 4/13/2017 2:44:23 PM

Photo 1 of 3: UCIP_FA_2018_51609_65326.jpg



Pumphouse on LS toe.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Sutter Maintenance Yard East Levee Sutter Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	10/03/2018 10/03/2018	Bob Duffey

LM Start	19.18	Rating **	A/W	Issue No.		80 (cont)	
LM End	19.18	Issue Type +	Ma	Location *			
Category	Supplemental				GPS Latitude/Longitude		
Calegory				Start		End	
Item	DWR UCI	P LMA Respo	nsibility	38.93247	76°	38.932476°	
пеш				-121.63517	73 °	-121.635173°	
DWR ID	16877						

Inspector Comment

Comment Code

FS_ID:51609 DS_ID:16877 EP_NO: N/A

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: 4/11/2017 Not abandoned. Good condition. (DWR Sutter Yard - AFreitag)10/10/2016 NOT ABANDONED. The old pumpimg plant was abandoned but the culverts are still used as a gravity drain to regulate the water level in the LS ditch.(DWR Sutter Yard - afreitag)4/18/2016 Crossing is in good condition. The culvert is not abandoned and is used as gravity drain for the LS ditch into the bypass channel.5/7/2015 Concrete culvert is being used as a gravity drain for LS ditch.11/12/2014 Same as last inspection.5/14/2014 Same as last inspection.5/14/2014

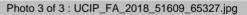
inspection.5/23/2013 Concrete culvert is being used as gravity drain for LS ditch.10/9/2012 Determine type of abandonment for concrete culvert.

FIELD_STRUCT_DESC: [Pumping Plant No. 1] 1 of 3: 48-inch by 72-inch reinforced concrete drainage culvert through the levee, 26 feet below the crown. Slide gates in a concrete well on the waterside (WS) shoulder. Wooden flap gates and concrete headwall on the WS end. Concrete steps and staff gage reading to 53 feet on the WS slope. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 315, May 1953 (Station 141+46)]. FS Date: 4/13/2017 2:44:23 PM

LM Start	19.18	Rating **	A/W	Issue No.	80 (cont)
LM End	19.18	Issue Type +	Ma	Location *	



Slide gates on WS shoulder.





Flap gates on WS toe.

* Location
LS: Land Side N/A: Not Applicable
WS: Water Side
CR: Crown

** Rating

A: Acceptable
N: Not Inspected/Rated
M: Minimally Acceptable
U: Unacceptable
U: Unacceptable
A: Acceptable
U: Unacceptable
A: N: Not Inspected/Rated
C: Corrected
C: Corrected
A/W: Acceptable but Monitor & Maintain

** Issue Type
Ma: Maintenance Deficiancy
Ob: Design & System Obsolescence
En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Sutter Maintenance Yard East Levee Sutter Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	10/03/2018 10/03/2018	Bob Duffey

LM Start	19.18	19.18 Rating ** A/W		Issue No.		81	
LM End	19.18	Issue Type +	Ма	Location *			
Category	Supplemental				GPS Latitude/Longitude		
Calegory				Start		End	
Item	DWR UCI	P LMA Respo	nsibility	38.93246	9°	38.932469°	
пеш				-121.63516	0°	-121.635160°	
DWR ID	17027						

Inspector Comment

Comment Code

FS_ID:51610 DS_ID:17027 EP_NO: N/A

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: 4/11/2017 Not abandoned. Good Condition. (DWR Sutter Yard- AFreitag)10/10/2016 NOT ABANDONED. The old pumpimg plant was abandoned but the culverts are still used as a gravity drain to regulate the water level in the LS ditch.(DWR Sutter Yard - afreitag)4/18/2016 Crossing is in good condition. The culvert is not abandoned and is used as gravity drain for the LS ditch into the bypass channel.5/7/2015 Concrete culvert is being used as a gravity drain for LS ditch.11/12/2014 Same as last inspection.5/14/2014 Same as last inspection.10/30/2013 Same as last inspection.5/14/2014

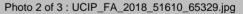
inspection.5/23/2013 Concrete culvert is being used as gravity drain for LS ditch.10/9/2012 Determine type of abandonment for concrete culverts.

FIELD_STRUCT_DESC: [Pumping Plant No. 1] 2 of 3: 48-inch by 72-inch reinforced concrete drainage culvert through the levee, 26 feet below the crown. Slide gates in a concrete well on the waterside (WS) shoulder. Wooden flap gates and concrete headwall on the WS end. Concrete steps and staff gage reading to 53 feet on the WS slope. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 315, May 1953 (Station 141+46)]. FS Date: 4/13/2017 2:47:22 PM

LM Start	19.18	Rating **	A/W	Issue No.	81 (cont)
LM End	19.18	Issue Type +	Ma	Location *	



Pumphouse on LS toe.





Slide gates on WS shoulder.

* Location
LS: Land Side N/A: Not Applicable
WS: Water Side
CR: Crown

** Rating

A: Acceptable
N: Not Inspected/Rated
M: Minimally Acceptable
U: Unacceptable
U: Unacceptable
A: Acceptable
U: Unacceptable
A: N: Not Inspected/Rated
C: Corrected
C: Corrected
A/W: Acceptable but Monitor & Maintain

** Issue Type
Ma: Maintenance Deficiancy
Ob: Design & System Obsolescence
En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Sutter Maintenance Yard East Levee Sutter Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	10/03/2018 10/03/2018	Bob Duffey

LM Start	19.18	Rating **	A/W	Issue No. 81 (cont)			
LM End	19.18	Issue Type +	Ма	Location *			
Category	ental	GPS Latitude/Longitude					
Calegory		Start End					
Item	DWR UC	P LMA Respo	nsibility	38.93246	9°	38.932469°	
пеш				-121.63516	60°	-121.635160°	
DWR ID 17027							
Comment Code							

Inspector Comment

FS_ID:51610 DS_ID:17027 EP_NO: N/A

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: 4/11/2017 Not abandoned. Good Condition. (DWR Sutter Yard- AFreitag)10/10/2016 NOT ABANDONED. The old pumpimg plant was abandoned but the culverts are still used as a gravity drain to regulate the water level in the LS ditch.(DWR Sutter Yard - afreitag)4/18/2016 Crossing is in good condition. The culvert is not abandoned and is used as gravity drain for the LS ditch into the bypass channel.5/7/2015 Concrete culvert is being used as a gravity drain for LS ditch.11/12/2014 Same as last inspection.5/14/2014 Same as last inspection.5/23/2013. Concrete culvert is being used as gravity drain in praction.5/23/2013. Concrete culvert is being used as gravity drain.

inspection.5/23/2013 Concrete culvert is being used as gravity drain for LS ditch.10/9/2012 Determine type of abandonment for concrete culverts

FIELD_STRUCT_DESC: [Pumping Plant No. 1] 2 of 3: 48-inch by 72-inch reinforced concrete drainage culvert through the levee, 26 feet below the crown. Slide gates in a concrete well on the waterside (WS) shoulder. Wooden flap gates and concrete headwall on the WS end. Concrete steps and staff gage reading to 53 feet on the WS slope. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 315, May 1953 (Station 141+46)].

FS Date: 4/13/2017 2:47:22 PM

Photo 3 of 3: UCIP_FA_2018_51610_65328.jpg



Flap gates on WS toe.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Sutter Maintenance Yard East Levee Sutter Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	10/03/2018 10/03/2018	Bob Duffey

LM Start	19.18	19.18 Rating ** A/W		Issue No.		82	
LM End	19.18	Issue Type +	Ма	Location *			
Category	Supplemental				GPS Latitude/Longitude		
Calegory				Start		End	
Item	DWR UCI	P LMA Respo	nsibility	38.93246	0°	38.932460 °	
пеш				-121.63515	0°	-121.635150°	
DWR ID	17028						

Inspector Comment

Comment Code

FS_ID:51611 DS_ID:17028 EP_NO: N/A

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: 4/11/2017 Not Abandoned. Good Condition. (DWR Sutter Yard - AFreitag)10/10/2016 NOT ABANDONED. The old pumpimg plant was abandoned but the culverts are still used as a gravity drain to regulate the water level in the LS ditch.(DWR Sutter Yard - afreitag)4/18/2016 Crossing is in good condition. The culvert is not abandoned and is used as gravity drain for the LS ditch into the bypass channel.5/7/2015 Concrete culvert is being used as a gravity drain for LS ditch.11/12/2014 Same as last inspection.5/14/2014 Same as last inspection.10/30/2013 Same as last

inspection.5/23/2013 Concrete culvert is being used as gravity drain for LS ditch.10/9/2012 Need to determine type of abandonment for concrete culverts.

FIELD_STRUCT_DESC: [Pumping Plant No. 1] 3 of 3: 48-inch by 72-inch reinforced concrete drainage culvert through the levee, 26 feet below the crown. Slide gates in a concrete well on the waterside (WS) shoulder. Wooden flap gates and concrete headwall on the WS end. Concrete steps and staff gage reading to 53 feet on the WS slope. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 315, May 1953 (Station 141+46)].

FS Date: 4/13/2017 2:50:01 PM





Pumphouse on LS toe.

Photo 2 of 3: UCIP_FA_2018_51611_65332.jpg



Slide gates on WS shoulder.

* Location
LS: Land Side N/A: Not Applicable WS: Water Side CR: Crown

** Rating
A: Acceptable N: Not Inspected/Rated M: Minimally Acceptable C: Corrected Ob: Design & System Obsolescence C: Enforcement

* Rating
A: Acceptable N: Not Inspected/Rated M: Maintenance Deficiancy Ob: Design & System Obsolescence En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Sutter Maintenance Yard East Levee Sutter Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	10/03/2018 10/03/2018	Bob Duffey

LM Start	19.18	Rating **	A/W	Issue No.		82 (cont)	
LM End	19.18	Issue Type +	Ма	Location *			
Category	Supplemental				GPS Latitude/Longitude		
Calegory				Start		End	
Item	DWR UCI	P LMA Respo	onsibility	38.9324	60°	38.932460 °	
пеш				-121.6351	50°	-121.635150°	
DWR ID	17028						

Inspector Comment

Comment Code

FS_ID:51611 DS_ID:17028 EP_NO: N/A

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: 4/11/2017 Not Abandoned. Good Condition. (DWR Sutter Yard - AFreitag)10/10/2016 NOT ABANDONED. The old pumpimg plant was abandoned but the culverts are still used as a gravity drain to regulate the water level in the LS ditch.(DWR Sutter Yard - afreitag)4/18/2016 Crossing is in good condition. The culvert is not abandoned and is used as gravity drain for the LS ditch into the bypass channel.5/7/2015 Concrete culvert is being used as a gravity drain for LS ditch.11/12/2014 Same as last inspection.5/14/2014 Same as last inspection.10/30/2013 Same as last

inspection.5/23/2013 Concrete culvert is being used as gravity drain for LS ditch.10/9/2012 Need to determine type of abandonment for concrete culverts.

FIELD_STRUCT_DESC: [Pumping Plant No. 1] 3 of 3: 48-inch by 72-inch reinforced concrete drainage culvert through the levee, 26 feet below the crown. Slide gates in a concrete well on the waterside (WS) shoulder. Wooden flap gates and concrete headwall on the WS end. Concrete steps and staff gage reading to 53 feet on the WS slope. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 315, May 1953 (Station 141+46)].

FS Date: 4/13/2017 2:50:01 PM

Photo 3 of 3 : UCIP_FA_2018_51611_65331.jpg



Flap gate at WS toe.

LM Start	20.02	Rating **	М	Issue No.		29	
LM End	20.02	Issue Type +	Ma	Location *	WS		
Category Earthen Levee				GPS Latitude/Longitude			
Category				Start		End	
Item	Slope Sta	bility		38.922678 °		38.922678 °	
пеш				-121.62589	90°	-121.625890 °	
DWR ID DWR_ST0002_01_f _ 2015_29							
Comment Code							
C2 . Denois the level plane demonsed by which treffic and record							

S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.

Inspector Comment

Photo 1 of 1 : FA_2018_ST0002_450_29_20180905_00006.jpg



View of the vehicle erosion along the waterside slope.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiancy
WS: Water Side	M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement